

Site: Thompson-Hayward
ID# KST210010062
Break: 1.5
Other: 2-2001

THOMPSON-HAYWARD CHEMICAL

ABBREVIATED PRELIMINARY ASSESSMENT

CERCLIS Identification Number
KST210010062



Kansas Department of Health and Environment
Bureau of Environmental Remediation
Remedial Section/Site Assessment Unit
Forbes Field, Building 740
Topeka, Kansas 66620

February, 2001

136040

136040

SUPERFUND RECORDS

THOMPSON-HAYWARD CHEMICAL

**KANSAS CITY
WYANDOTTE COUNTY, KANSAS**

Abbreviated Preliminary Assessment

CERCLIS Identification Number
KSD980631899

State Identification Number
C4-105-71091

Prepared by /
Kansas Department of Health and Environment
Bureau of Environmental Remediation
February, 2001

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SECTION 1: INTRODUCTION

The Kansas Department of Health and Environment (KDHE) has a continuing cooperative agreement with the U.S. Environmental Protection Agency (EPA) to perform investigations of selected sites to evaluate potential or actual releases of hazardous substances, pollutants, or contaminants. These investigations are performed under the authority of the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA) as amended by the Superfund Amendments and Reauthorization Act (SARA) of 1986 and consistent with the National Oil and Hazardous Substances Pollution Contingency Plan (NCP) 40 CFR § 300.400-§ 300.425.

As part of the cooperative agreement for the fiscal year 2000, KDHE has conducted an abbreviated Preliminary Assessment (PA) at the Thompson Hayward Chemical Company (THCC) site in Kansas City, Kansas. The THCC site has EPA identification number KST210010062. In 1998-1999, the Office of the Inspector General (IG) conducted an audit of sites in the CERCLA Information System (CERCLIS) and Resource Conservation and Recovery Act (RCRA) Information System (RCRIS). The IG audit identified sites that were initially entered into CERCLIS and deferred to RCRA but remained on CERCLIS. The THCC site is one of the sites identified through the IG audit process and KDHE/BER was tasked to document that subsequent response actions were performed under other response programs. The purpose of this abbreviated PA is to provide a site evaluation to assist in developing a site disposition, and to determine if any additional response actions consistent with the NCP are necessary at the site. Pertinent KDHE and EPA documents were reviewed to compile data for this abbreviated PA.

SECTION 2: SITE INFORMATION

2.1 Site Location

The THCC site is located at 5200 Speaker Road in Kansas City, Wyandotte County, Kansas in Section 13, Township 11 South, Range 24 East (Reference 1). Another CERCLA site (archived) called Thompson Hayward Agriculture Nutrition (THAN) is located adjacent to the THCC site at 5150 Speaker Road. The geographic coordinates of the THCC site are 39.09495° north latitude and 94.69563° west longitude (Reference 2).

2.2 Site Description

The THCC site is approximately 74 acres, bounded on the north by the Kansas River. The site contains nine Solid Waste Management Units (SWMU's) and five areas of interest (Reference 3):

- SWMU A - Pilot plant solvent recycling area
- SWMU B - Area east of dike number 2
- SWMU C - Series of trenches and gutters
- SWMU D - Acid drainage area
- SWMU E - Tank farm area
- SWMU F - Sumps and lift stations
- SWMU G - Tank car unloading area
- SWMU H - Empty drum disposal area
- SWMU I - Ponding area north of Kansas River levee
- Closed surface impoundment
- Central tank area
- Drum storage pad
- Solvent complex
- Surface drainage ways

2.3 Site History

2.3.1 Operational and Ownership History

Prior to facility operations at the site, general land use in the area was agricultural. A sand plant operated in the area north of the current levee. In about 1958, Thompson Hayward Chemical Company (THCC) acquired the property and began construction of the facility. The facility became operational in December 1960. Facility operations included wholesale distribution of industrial chemicals and supplies, and production of phenoxy herbicides, primarily 2,4-dichlorophenoxyacetic acid (2,4-D).

In 1961, THCC was sold to Consolidated Electronics Industries, which was owned by The Phillips Trust. The name of the parent company changed after the purchase.

In 1963, a process building was constructed to manufacture 2,4,5-trichlorophenoxyacetic acid (2,4,5-T). In about 1965, an ethoxylation plant was built and surfactant agents such as industrial emulsifiers, wetting agents and antifoam agents were manufactured. In about 1967, the facility began to produce 2-(2,4,5-trichlorophenoxy) propionic acid (Silvex). Small amounts of tetrachlorodibenzo-p-dioxins (dioxin) may have been present as a by-product in the processing of the pesticides. Also in 1967, the U.S. government directed THCC to produce Agent Orange II.

The facility produced Agent Orange II for about one and a half (1 ½) years. Other operations at the facility have included acid packaging, feed supplement binding, and solvent drumming. In 1977, manufacture of phenoxy herbicides at the facility ceased.

In 1981, H&C Acquisitions, Inc. purchased certain THCC assets including the right to the company name and approximately 76 acres of the facility at 5200 Speaker Road. Following the purchase, the old THCC changed its name to Thompson-Hayward Agriculture and Nutrition (THAN) and H&C Acquisitions changed its name to THCC.

From late 1982 to mid-1983, THCC operated a pilot solvent recovery operation in the Pilot Plant Complex. On October 5, 1988, THCC changed its name to Harcros Chemicals, Inc. (HCI).

2.3.2 Waste Management History

A closed surface impoundment is located in the northeast portion of the site. The closed impoundment is a RCRA regulated unit (See Figure 2). The surface impoundment was constructed in 1965 and was designed to contain emergency releases of ethylene oxide. The impoundment was used until 1973 as an emergency basin and as an evaporation pond to store cooling and rinse waters. Prior to 1973, process waters from the facility were discharged directly into the facility's industrial sewers which discharged directly into the Kansas City, Kansas municipal sewer system. In 1973, the impoundment was dewatered. A liner and a diffused air aeration system were installed and waste from the facility's industrial sewers and a series of trenches and gutters (SWMU C) were discharged directly into the surface impoundment. In November 1988, the surface impoundment was deactivated and the wastewater flows went instead to an aboveground equalization tank prior to discharge to the municipal sewers. The surface water impoundment was closed in-place in 1990.

2.3.3 Regulatory / Enforcement History

On December 6, 1978, KDHE notified THCC of a fine for illegal disposal of sludge. At least two other spills or releases had been documented at the facility.

KDHE issued Administrative Order No. 85-E-35 on July 15, 1983. Under this order, THCC and THAN were to implement a work plan describing procedures to be followed for gathering data to support the evaluation and design of a remedial program. An amendment to this order was issued on March 26, 1984. Under the amendment, THCC and THAN were directed to restrict access to

contaminated areas, plan and implement a schedule for a remedial action, and submit proposal for further investigation of nature and extent of groundwater contamination.

Harcros Chemicals and EPA entered into an Administrative Order of Consent (AOC), Docket No. VII-90-H-0028, effective August 3, 1990. HCI was directed by the AOC to complete a RCRA Facility Investigation (RFI) at the 5200 Speaker Road facility. The RFI was to address the SWMU's and other areas of interest.

A search of KDHE and EPA records indicates that a Potential Hazardous Waste Site Identification and Preliminary Assessment Form 2070-22 was completed by EPA on February 10, 1986 (Appendix A). A Potential Hazardous Waste Site Inspection Report form 2070-12 was completed by an EPA contractor on February 13, 1984 (Appendix B). A Potential Hazardous Waste Site Tentative Disposition form T1070-4 was completed by EPA on September 4, 1989 indicating that KDHE had taken the lead in reviewing and overseeing clean-up of the site (Appendix C).

SECTION 3: CONCLUSION

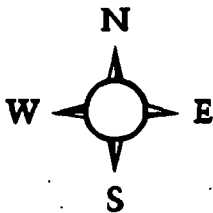
The file review indicates that response actions addressing releases of hazardous substances, pollutants or contaminants at the THCC site are being conducted by Harcros Chemicals, Inc. under an EPA § 3008 (h) RCRA Administrative Order of Consent (Docket No. VII-90-H-0028). KDHE's Bureau of Waste Management also has oversight authority over the regulated unit (surface impoundment) at the site. This site therefore qualifies for a "no further remedial action planned" (NFRAP) classification since the site is being addressed by the responsible party through provisions of RCRA. Further CERCLA response actions consistent with the NCP are not recommended at this site contingent upon continued response by Harcros Chemicals, Inc.

SECTION 4: REFERENCES

1. United States Geological Survey, 7.5-minute topographic quadrangle maps of Kansas: *Shawnee, KS*. 1991.
2. USEPA, "Standard Operating Procedure to Determine Site Latitude and Longitude Coordinates," 1991. Calculation worksheet for Palmetto Landfill.
3. Burns & McDonnell, *Description of Current Conditions Harcros Chemicals, Inc. Kansas City, Kansas*, December 12, 1991.

SECTION 5: FIGURES

KANSAS RIVER



Approximate Scale: 1 inch = 400 feet

RCRA Regulated Unit
(Closed Surface Impoundment)

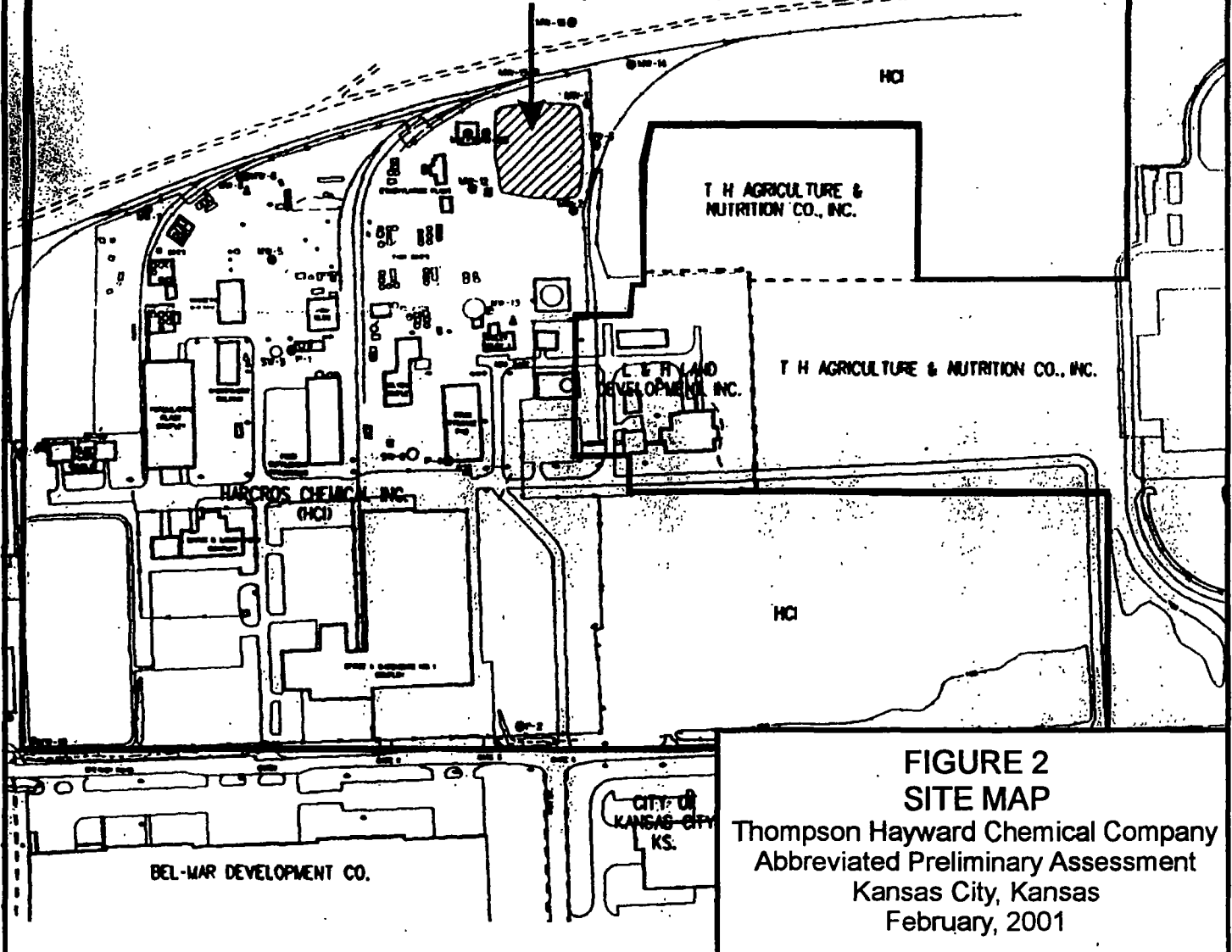


FIGURE 2 SITE MAP

Thompson Hayward Chemical Company
Abbreviated Preliminary Assessment
Kansas City, Kansas
February, 2001

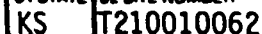
Appendix A

Potential Hazardous Waste Site, Preliminary Assessment (EPA Form 2070-12)

Thompson-Hayward
KST 210010062
115

04

EPA		POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT PART 1 - SITE INFORMATION AND ASSESSMENT		I. IDENTIFICATION	
				01 STATE	02 SITE NUMBER
				KS	T210010062
II. SITE NAME AND LOCATION					
01 SITE NAME (Legal, common, or descriptive name of site)		02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER			
Thompson - Hayward Chemical Company		5200 Speaker Road			
03 CITY	04 STATE	05 ZIP CODE	06 COUNTY	07 COUNTY CODE	08 CONG DIST
Kansas City	KS		Wyandotte	209	KS-03
09 COORDINATES		LONGITUDE			
39 05 40. N		094 41 91.0 W			
10 DIRECTIONS TO SITE (Starting from nearest public road):					
East on Turner Drive over Turner Memorial Bridge then left on Speaker Road to 5200 Block.					
III. RESPONSIBLE PARTIES					
01 OWNER (If known)		02 STREET (Business, mailing, residential)			
Harrisons and Crosfield, Ltd.		unknown			
03 CITY	04 STATE	05 ZIP CODE	06 TELEPHONE NUMBER		
			()		
07 OPERATOR (If shown and different from owner)		08 STREET (Business, mailing, residential)			
Willis Hart (Site manager)		5200 Speaker Road			
09 CITY	10 STATE	11 ZIP CODE	12 TELEPHONE NUMBER		
Kansas City	KS		(913) 321-3131		
13 TYPE OF OWNERSHIP (Check one)					
<input checked="" type="checkbox"/> A. PRIVATE <input type="checkbox"/> B. FEDERAL <input type="checkbox"/> C. STATE <input type="checkbox"/> D. COUNTY <input type="checkbox"/> E. MUNICIPAL					
<input type="checkbox"/> F. OTHER <input type="checkbox"/> G. UNKNOWN					
14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply):					
<input type="checkbox"/> A. RCRA 3001 DATE RECEIVED <input type="checkbox"/> B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED <input type="checkbox"/> C. NONE					
IV. CHARACTERIZATION OF POTENTIAL HAZARD					
01 ON SITE INSPECTION		BY (Check all that apply)			
<input checked="" type="checkbox"/> YES DATE 4 / 21 / 83		<input checked="" type="checkbox"/> A. EPA <input checked="" type="checkbox"/> B. EPA CONTRACTOR <input type="checkbox"/> C. STATE <input type="checkbox"/> D. OTHER CONTRACTOR			
<input type="checkbox"/> NO		<input type="checkbox"/> E. LOCAL HEALTH OFFICIAL <input type="checkbox"/> F. OTHER			
CONTRACTOR NAME(S): Ecology & Environment, Inc.					
02 SITE STATUS (Check one)		03 YEARS OF OPERATION			
<input checked="" type="checkbox"/> A. ACTIVE <input type="checkbox"/> B. INACTIVE <input type="checkbox"/> C. UNKNOWN		1963 Present <input type="checkbox"/> UNKNOWN			
04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED					
2,3,7,8 Tetrachlorodibenzo-p-dioxin (TCDD) phenols, trichloroethene, methylene chloride					
05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION					
Potential contamination of groundwater and surface water also potential for direct contact.					
V. PRIORITY ASSESSMENT					
01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)					
<input checked="" type="checkbox"/> A. HIGH <input type="checkbox"/> B. MEDIUM <input type="checkbox"/> C. LOW <input type="checkbox"/> D. NONE					
VL INFORMATION AVAILABLE FROM					
01 CONTACT		02 OF (Agency/Organization)		03 TELEPHONE NUMBER	
US Environmental Protection Agency		Region 7 Kansas City, KS		913) 236-3888	
04 PERSON RESPONSIBLE FOR ASSESSMENT		05 AGENCY	06 ORGANIZATION	07 TELEPHONE NUMBER	08 DATE
Steve Vaughn			E&E	(913) 432-9961	2 10 86

☐ M NOT APPLICABLE

EPA FORM 2070-12 (7-81)



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
KS T210010062

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☒ A. GROUNDWATER CONTAMINATION 02 ☒ OBSERVED (DATE 12-83) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: unknown 04 NARRATIVE DESCRIPTION

A variety of compounds were detected on the 12-83 investigation including Silvex, Atrazine, vinyl chloride and phenol.

01 ☐ B. SURFACE WATER CONTAMINATION 02 ☐ OBSERVED (DATE) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED 04 NARRATIVE DESCRIPTION

not analyzed

01 ☐ C. CONTAMINATION OF AIR 02 ☐ OBSERVED (DATE) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED 04 NARRATIVE DESCRIPTION

not analyzed

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS 02 ☐ OBSERVED (DATE) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED 04 NARRATIVE DESCRIPTION

none

01 ☒ E. DIRECT CONTACT 02 ☐ OBSERVED (DATE) ☐ POTENTIAL ☒ ALLEGED
03 POPULATION POTENTIALLY AFFECTED 1 employee 04 NARRATIVE DESCRIPTION

A former employee was instructed on several occasions to dump a 5 gallon drum (labeled dioxin) near the river. The employee said he was splashed with the contents several times. After he had been splashed he said the area splashed broke out with acne type pustules.

01 ☒ F. CONTAMINATION OF SOIL 02 ☒ OBSERVED (DATE 12-83) ☐ POTENTIAL ☐ ALLEGED
03 AREA POTENTIALLY AFFECTED (Acres) 04 NARRATIVE DESCRIPTION

A variety of contaminants were detected throughout the site. See Hazardous Substances

01 ☐ G. DRINKING WATER CONTAMINATION 02 ☐ OBSERVED (DATE) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED 04 NARRATIVE DESCRIPTION

None detected

01 ☒ H. WORKER EXPOSURE/INJURY 02 ☐ OBSERVED (DATE) ☒ POTENTIAL ☒ ALLEGED
03 WORKERS POTENTIALLY AFFECTED: 1 employee 04 NARRATIVE DESCRIPTION

See direct contact

01 ☒ I. POPULATION EXPOSURE/INJURY 02 ☐ OBSERVED (DATE) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: unknown 04 NARRATIVE DESCRIPTION

Nearest residential area approximately 1/2 mile from site boundary.



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE
KS

02 SITE NUMBER
T210010062

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☒ J. DAMAGE TO FLORA
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

None observed

01 ☐ K. DAMAGE TO FAUNA
04 NARRATIVE DESCRIPTION (include name(s) of species)

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

None observed

01 ☐ L. CONTAMINATION OF FOOD CHAIN
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

Not analyzed for

01 ☐ M. UNSTABLE CONTAINMENT OF WASTES
(Solids/runoff/standing liquids/leaking drums)
03 POPULATION POTENTIALLY AFFECTED: _____

02 ☒ OBSERVED (DATE: 9-84)

☐ POTENTIAL

☐ ALLEGED

04 NARRATIVE DESCRIPTION

Buried drums which were rusted and leaking and possible spills.

01 ☐ N. DAMAGE TO OFFSITE PROPERTY
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

None observed

01 ☒ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☒ ALLEGED

Report by one employee that retention ponds were drained into the sewer on the weekends.

01 ☒ P. ILLEGAL/UNAUTHORIZED DUMPING
04 NARRATIVE DESCRIPTION

02 ☒ OBSERVED (DATE: 9-84)

☐ POTENTIAL

☐ ALLEGED

Buried drums were uncovered on-site.

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

None

III. TOTAL POPULATION POTENTIALLY AFFECTED: Unknown

IV. COMMENTS

Plant manufactured 2,4-D and 2,4,5-T with the by-product of 2,3,7,8-TCDD, from about 1963-1977.

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

EPA Region VII files

VALIDATED DIOXIN DATA FOR THOMPSON-HAYWARD

DATE 109/18/84

SITE	EPA NO	AMOUNT	DESCRIPTION
THM	AC0301	38,500 PPB	SOIL SAMPLE, 150' N OF PROCESS BLDG, 0-12" DEPTH, 3 ALIQUOTS, PROPERTY OWNER'S DATA
THM	AC0302	6,600 PPB	SOIL SAMPLE, NW OF PROCESS BLDG, 0-12" DEPTH, 4 ALIQUOTS, PROPERTY OWNER'S DATA
THM	AC0303	20,000 PPB	SOIL SAMPLE, NE OF PROCESS BLDG, 0-12" DEPTH, 3 ALIQUOTS, PROPERTY OWNER'S DATA
THM	AC0304	46,000 PPB	SOIL SAMPLE, PROCESS TANK AREA, 0-12" DEPTH, 4 ALIQUOTS, PROPERTY OWNER'S DATA
THM	AC0305	LESS THAN 1,000 PPB	SOIL SMPL, RAIL SPUR NW OF TANK DIKE 4, 0-12" DEPTH, 5 ALIQ., PROPERTY OWNER'S DATA
THM	AC0306	LESS THAN 1,000 PPB	SOIL SAMPLE, N OF TANK DIKE 3, 0-12" DEPTH, 5 ALIQUOTS, PROPERTY OWNER'S DATA
THM	AC0307	19,500 PPB	SOIL SAMPLE, S OF RIVER LEVEE, 0-12" DEPTH, 3 ALIQUOTS, PROPERTY OWNER'S DATA
THM	AC0308	3,200 PPB	SOIL SAMPLE, DRAIN COLLECTION BOX N OF PROCESS BLDG, PROPERTY OWNER'S DATA
THM	AC0309	32,000 PPB	SOIL SAMPLE, 150' N OF PROCESS BLDG, 12-24" DEPTH, PROPERTY OWNER'S DATA
THM	AC0310	1,900 PPB	SOIL SAMPLE, NW OF PROCESS BLDG, 12-24" DEPTH, PROPERTY OWNER'S DATA
THM	AC0311	1,000 PPB	SOIL SAMPLE, NE OF PROCESS BLDG, 12-24" DEPTH, PROPERTY OWNER'S DATA
THM	AC0312	11,000 PPB	SOIL SAMPLE, PROCESS TANK AREA, 12-24" DEPTH, PROPERTY OWNER'S DATA
THM	AC0313	39,200 PPB	SOIL SAMPLE, VENT TANK AREA, 0-12" DEPTH, 5 ALIQUOTS, PROPERTY OWNER'S DATA
THM	AC0314	7,200 PPB	SOIL SAMPLE, VENT TANK AREA, 12-24" DEPTH, PROPERTY OWNER'S DATA
THM	AC0315	10,000 PPB	SOIL SAMPLE, VENT TANK AREA, 24-36" DEPTH, PROPERTY OWNER'S DATA
THM	AC0316	3,600 PPB	DUST SAMPLE, N OF PROCESS BLDG, SURFACE, 50 SQ FT, PROPERTY OWNER'S DATA
THM	AC0318	5,400 PPB	SOIL SAMPLE, FINISHED PRODUCT TANK AREA, 12-24" DEPTH, PROPERTY OWNER'S DATA
THM	AC0319	2,300 PPB	DUST SAMPLE, W OF PROCESS BLDG, SURFACE, 150 SQ FT, PROPERTY OWNER'S DATA
THM	AC0320	LESS THAN 1,000 PPB	DUST SAMPLE, S OF PROCESS BLDG, SURFACE, 150 SQ FT, PROPERTY OWNER'S DATA
THM	AC0321	LESS THAN 1,000 PPB	DUST SAMPLE, E OF PROCESS BLDG, SURFACE, 150 SQ FT, PROPERTY OWNER'S DATA
THM	AC0322	LESS THAN 1,000 PPB	DUST SAMPLE, NE OF PROCESS BLDG, SURFACE, 200 SQ FT, PROPERTY OWNER'S DATA
THM	AC0323	9,600 PPB	SOIL SAMPLE, 2,4,5-T RAIL LOADING SPUR, 0-12" DEPTH, 4 ALIQUOTS, PROPERTY OWNER'S DATA
THM	AC0324	6,000 PPB	SOIL SMPL, W OF 2,4,5-T RAIL LOADING SPUR, 0-12" DEPTH, 5 ALIQ., PROPERTY OWNER'S DATA
THM	AC0325	2,600 PPB	SOIL SAMPLE, SW OF PROCESS BLDG, 0-12" DEPTH, 1 ALIQUOT, PROPERTY OWNER'S DATA
THM	AC0326	LESS THAN 1,000 PPB	SOIL SAMPLE, SE OF PROCESS BLDG, 0-12" DEPTH, 5 ALIQUOTS, PROPERTY OWNER'S DATA
THM	AC0327	LESS THAN 1,000 PPB	SOIL SAMPLE, NE OF PROCESS BLDG, 0-12" DEPTH, 4 ALIQUOTS, PROPERTY OWNER'S DATA
THM	AC0328	14,000 PPB	SOIL SAMPLE, NW OF PROCESS BLDG, 0-12" DEPTH, 4 ALIQUOTS, PROPERTY OWNER'S DATA
THM	AC0329	7,800 PPB	SOIL SAMPLE, S DRAINAGE DITCH, 0-12" DEPTH, 5 ALIQUOTS, PROPERTY OWNER'S DATA
THM	AC0330	19,000 PPB	SOIL SAMPLE, N DRAINAGE DITCH, 0-12" DEPTH, 5 ALIQUOTS, PROPERTY OWNER'S DATA
THM	AC0331	LESS THAN 1,000 PPB	SOIL SAMPLE, TMA UNLOADING AREA, 0-12" DEPTH, 5 ALIQUOTS, PROPERTY OWNER'S DATA
THM	AC0332	2,300 PPB	SOIL SMPL, RAIL SPUR W OF TANK DIKE 3, 0-12" DEPTH, 5 ALIQ., PROPERTY OWNER'S DATA
THM	AC0333	LESS THAN 1,000 PPB	SOIL SMPL, RAIL SPUR W OF TANK DIKE 3, 12-24" DEPTH, 5 ALIQ., PROPERTY OWNER'S DATA
THM	AC0334	19,000 PPB	SOIL SAMPLE, S OF TANK DIKE 3, 0-12" DEPTH, 5 ALIQUOTS, PROPERTY OWNER'S DATA
THM	AC0335	2,900 PPB	SOIL SAMPLE, S OF TANK DIKE 3, 0-12" DEPTH, 5 ALIQUOTS, PROPERTY OWNER'S DATA
THM	AC0336	LESS THAN 1,000 PPB	WIPE SMPL, WAREHS & FORM, PLANT, BEAM @N END OF W ROOM, NG/WIPE, PROPERTY OWNER'S DATA
THM	AC0337	LESS THAN 1,000 PPB	WIPE SMPL, WAREHS & FORM, PLANT, BEAM @S END OF W ROOM, NG/WIPE, PROPERTY OWNER'S DATA
THM	AC0338	LESS THAN 1,000 PPB	WIPE SMPL, WAREHS & FORM, PLANT, CEILING JOISTS CENTER ROOM, NG/WIPE, PROPERTY OWNER DATA

VALIDATED DIOXIN DATA FOR THOMPSON-HAYWARD

DATE 109/18/84

SITE	EPA NO		AMOUNT	DESCRIPTION
THM	AQ4401	LESS THAN	1,000 PPB	SOIL SAMPLE FROM WEST OF POND BETWEEN LEVEE AND RIVER, 10 ALIQUOTS
THM	AQ4402	LESS THAN	1,000 PPB	SURFACE WATER SAMPLE FROM POND BETWEEN LEVEE AND RIVER
THM	AQ4403	LESS THAN	1,000 PPB	COMPOSITE SOIL SAMPLE FROM POND BETWEEN LEVEE AND RIVER
THM	AQ4404	LESS THAN	1,000 PPB	WATER SAMPLE FROM DISCHARGE CANAL(EAST CANAL) BETWEEN LEVEE AND RIVER
THM	AQ4405	LESS THAN	1,000 PPB	COMPOSITE SOIL SAMPLE FROM EAST DISCHARGE CANAL
THM	AQ4406	LESS THAN	1,000 PPB	COMPOSITE SOIL SAMPLE FROM 150' N OF LEVEE, OPPOSITE DIATOM PLANT
THM	AQ4407	LESS THAN	1,000 PPB	COMPOSITE SOIL SAMPLE FROM 100' N OF LEVEE, BY WEST PROPERTY LINE
THM	AQ4408	LESS THAN	1,000 PPB	SOIL SMPL FROM 400YDS E OF T.H. PLANT IN PLOWED FIELD OPPOSITE SIDE OF SPEAKER RD.
THM	AQ4409	LESS THAN	1,000 PPB	MONITORING WELL #1--NORTHEAST CORNER AERATED LAGOON
THM	AQ4410	LESS THAN	1,000 PPB	MONITORING WELL #3--SOUTHEAST CORNER OF AERATED LAGOON
THM	AQ4411	LESS THAN	1,000 PPB	GROUNDWATER SAMPLE FROM MONITORING WELL #2
THM	AQ4412	LESS THAN	1,000 PPB	SUPPLY WELL--NORTH SIDE OF MAIN WAREHOUSE
THM	AQ4413	LESS THAN	1,000 PPB	SUPPLE WELL--EAST SIDE OF MAINTENANCE BLDG
THM	AQ4414	LESS THAN	1,000 PPB	SUPPLE WELL--STRONGHEART PET FOODS
THM	AQ4415	LESS THAN	1,000 PPB	SWEEP SAMPLE FROM STREET WEST OF SULFANATE UNIT
THM	AQ4416	LESS THAN	1,000 PPB	SWEEP SAMPLE FROM STREET NEAR SOLVENT LOADING STATION
THM	AQ4417		5,100 PPB	SWEEP SAMPLE FROM STREET-SOUTH SIDE PROCESS BLDG.
THM	AQ4418	LESS THAN	1,000 PPB	SWEEP SAMPLE FROM STREET-SOUTH SIDE OF FORMULATION PLANT
THM	AQ4419	LESS THAN	1,000 PPB	SWEEP SAMPLE FROM STREET-NORTH SIDE OF WAREHOUSE #1
THM	AQ4420	LESS THAN	1,000 PPB	COMPOSITE SOIL SAMPLE FROM SE FIELD AT FRONT OF PLANT, 10 ALIQUOTS
THM	AQ4421	LESS THAN	1,000 PPB	COMPOSITE SOIL SAMPLE FROM FRONT YARD OF MAIN BLDG., 10 ALIQUOTS
THM	AQ4422	LESS THAN	1,000 PPB	COMPOSITE SOIL SAMPLE FROM SE CORNER OF PLANT PROPERTY, 10 ALIQUOTS
THM	AQ4423	LESS THAN	1,000 PPB	COMPOSITE SOIL SAMPLE FROM 200' N OF THE PROCESS PLANT
THM	AQ4424	LESS THAN	1,000 PPB	COMPOSITE SOIL SAMPLE FROM 100' S OF MAINTENANCE SHOP
THM	AQ4425	LESS THAN	1,000 PPB	SURFACE WATER COMPOSITE--AERATED LAGOON
THM	AQ4426	LESS THAN	1,000 PPB	COMPOSITE SOIL SAMPLE FROM AERATED LAGOON
THM	AQ4427	LESS THAN	1,000 PPB	COMPOSITE SURFACE WATER--EMERGENCY POND
THM	AQ4428	LESS THAN	1,000 PPB	EMERGENCY POND SLUDGE FROM THE SOUTH BANK
THM	AQ4429	LESS THAN	1,000 PPB	COMPOSITE SOIL SAMPLE FROM EMERGENCY POND
THM	AQ4430	LESS THAN	1,000 PPB	WATER BLANK FOR VOLATILES

Appendix B

Potential Hazardous Waste Site, Site Inspection (EPA Form 2070-13)

DRAFT

09-1

EPA		POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 1 - SITE LOCATION AND INSPECTION INFORMATION				I. IDENTIFICATION	
		01 STATE KS		02 SITE NUMBER			
II. SITE NAME AND LOCATION							
01 SITE NAME (Legal, common, or descriptive name of site) Thompson-Hayward Chemical Co.				02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER P.O. Box 2700 (5200 Speaker Rd.)			
03 CITY Kansas City				04 STATE KS	05 ZIP CODE 66110	06 COUNTY Wyandotte	07 COUNTY CODE 08 CONG DIST
09 COORDINATES 39° 05' 29.0" N 94° 29' 32.3" W		10 TYPE OF OWNERSHIP (Check one) <input checked="" type="checkbox"/> A. PRIVATE <input type="checkbox"/> B. FEDERAL <input type="checkbox"/> C. STATE <input type="checkbox"/> D. COUNTY <input type="checkbox"/> E. MUNICIPAL <input type="checkbox"/> F. OTHER <input type="checkbox"/> G. UNKNOWN					
III. INSPECTION INFORMATION							
01 DATE OF INSPECTION 9, 19, 85 MONTH DAY YEAR		02 SITE STATUS <input checked="" type="checkbox"/> ACTIVE <input type="checkbox"/> INACTIVE		03 YEARS OF OPERATION ~1966 - - BEGINNING YEAR ENDING YEAR UNKNOWN			
04 AGENCY PERFORMING INSPECTION (Check all that apply) <input type="checkbox"/> A. EPA <input checked="" type="checkbox"/> B. EPA CONTRACTOR Ecology & Environment (Name of firm) <input type="checkbox"/> C. MUNICIPAL <input type="checkbox"/> D. MUNICIPAL CONTRACTOR (Name of firm) <input type="checkbox"/> E. STATE <input type="checkbox"/> F. STATE CONTRACTOR (Name of firm) <input type="checkbox"/> G. OTHER (Specify)							
05 CHIEF INSPECTOR Thomas J. Buechler		06 TITLE P.E., FIT, Region 7		07 ORGANIZATION E & E		08 TELEPHONE NO. (913) 371-3213	
09 OTHER INSPECTORS		10 TITLE		11 ORGANIZATION		12 TELEPHONE NO.	
Joyce Bailey		FIT, Region 7		E & E		(913) 371-3213	
Mike Labuda		FIT, Region 7		E & E		(913) 371-3213	
Nancy Blackman		FIT, Region 7		E & E		(913) 371-3213	
						()	
						()	
13 SITE REPRESENTATIVES INTERVIEWED Unknown		14 TITLE		15 ADDRESS		16 TELEPHONE NO. ()	
						()	
						()	
						()	
						()	
						()	
						()	
						()	
17 ACCESS GAINED BY (Check one) <input checked="" type="checkbox"/> PERMISSION <input type="checkbox"/> WARRANT		18 TIME OF INSPECTION		19 WEATHER CONDITIONS			
IV. INFORMATION AVAILABLE FROM							
01 CONTACT Richard Flannery		02 OF (Agency/Organization) Kansas Department Health & Environment				03 TELEPHONE NO. (913) 862-9360	
04 PERSON RESPONSIBLE FOR SITE INSPECTION FORM Sharon P. Martin		05 AGENCY L&E, Inc.		06 ORGANIZATION (913) 371-3213		07 TELEPHONE NO. 08 DATE 2.13.84 MONTH DAY YEAR	

EPA FORM 2070-13 (7-81) -

Site location: SE 1/4, NW 1/4, Sec. 13, T. 11 S., R. 24 E., Shawnee, Kansas. Quad 13-10



01 STATE	02 SITE NUMBER
----------	----------------

01 PHYSICAL STATES (Check all that apply)

- ☐ A. SOLID ☐ E. SLURRY
☐ B. POWDER, FINES ☒ F. LIQUID
☐ C. SLUDGE ☐ G. GAS
☐ D. OTHER _____ (Specify)

02 WASTE QUANTITY AT SITE

(Measures of waste quantities must be independent)

TONS

CUBIC YARDS

NO. OF DRUMS

D3 WASTE CHARACTERISTICS (Check all that apply)

- [illegible]

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE			
OLW	OILY WASTE	Unknown	—	2,3,7,8-TCDD. identified onsite
SOL	SOLVENTS			
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS			

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS numbers)

[illegible]

V. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	D1 FEEDSTOCK NAME	D2 CAS NUMBER	CATEGORY	D1 FEEDSTOCK NAME	D2 CAS NUMBER
FDS	NA		FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION (Case specific references, e.g., state files, sample analysis, reports)

E & E file - Transmittal of Laboratory Data 8-29-83
and Validated dioxin data for Thompson-Hawgood 6-3-83



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☒ A. GROUNDWATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: Unknown

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☒ POTENTIAL

☐ ALLEGED

Groundwater sample data not yet received

01 ☒ B. SURFACE WATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: Unknown

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☒ POTENTIAL

☐ ALLEGED

Kansas River < 1/4 mile from site proper; adjacent to
offsite area of metal detector survey

01 ☒ C. CONTAMINATION OF AIR

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☒ POTENTIAL

☐ ALLEGED

Contaminants (dioxin) in dust

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

None known

01 ☒ E. DIRECT CONTACT

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☒ POTENTIAL

☐ ALLEGED

Onsite dust and soil

01 ☐ F. CONTAMINATION OF SOIL

03 AREA POTENTIALLY AFFECTED: Unknown
(ACRES)

02 ☒ OBSERVED (DATE: 4-19-83)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

5.1 ppb^{2,3,7,8-TCDD} in soil onsite

01 ☐ G. DRINKING WATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

Unknown -

01 ☒ H. WORKER EXPOSURE/INJURY

03 WORKERS POTENTIALLY AFFECTED: Unknown

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☒ POTENTIAL

☐ ALLEGED

Direct contact -- dioxin

01 ☒ I. POPULATION EXPOSURE/INJURY

03 POPULATION POTENTIALLY AFFECTED: Unknown

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☒ POTENTIAL

☐ ALLEGED

Nearest residential areas > 1/2 mile from site boundary



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

None observed

01 ☐ K. DAMAGE TO FAUNA
04 NARRATIVE DESCRIPTION (include name(s) of species)

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

None observed

01 ☒ L. CONTAMINATION OF FOOD CHAIN
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☒ POTENTIAL

☐ ALLEGED

Bioaccumulation in fish

01 ☒ M. UNSTABLE CONTAINMENT OF WASTES
(Spills, Runoff, Standing liquids, Leaking drums)

02 ☐ OBSERVED (DATE: _____)

☒ POTENTIAL

☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: Unknown 04 NARRATIVE DESCRIPTION

Possible spills; open dumps, buried drums

01 ☒ N. DAMAGE TO OFFSITE PROPERTY
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☒ POTENTIAL

☐ ALLEGED

Declining property values due to proximity to dioxin site

01 ☒ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☒ POTENTIAL

☐ ALLEGED

Onsite waste disposal pond allegedly emptied into sewers according to anonymous source and KC, KS Fire Dept.

01 ☒ P. ILLEGAL/UNAUTHORIZED DUMPING
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☒ POTENTIAL

☐ ALLEGED

Alleged by anonymous former employees

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

Anonymous former employees allege drums buried in area riverside of levee and toxic waste dumped onsite

III. TOTAL POPULATION POTENTIALLY AFFECTED: Unknown

IV. COMMENTS

Plant manufactured 2,4-D and 2,4,5-T with byproduct dioxin from about 1963 to 1977.

V. SOURCES OF INFORMATION (Cite specific references, e. g., state files, sample analysis, reports)

E&E files, records of communications in EPA file



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION
PART 4 - PERMIT AND DESCRIPTIVE INFORMATION

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

II. PERMIT INFORMATION

01 TYPE OF PERMIT ISSUED (Check all that apply)	02 PERMIT NUMBER	03 DATE ISSUED	04 EXPIRATION DATE	05 COMMENTS
<input checked="" type="checkbox"/> A. NPDES	Unknown			For blowdown & cooling waste discharge (no process wastes)
<input type="checkbox"/> B. UIC				
<input type="checkbox"/> C. AIR				
<input type="checkbox"/> D. RCRA				
<input type="checkbox"/> E. RCRA INTERIM STATUS				
<input type="checkbox"/> F. SPCC PLAN				
<input type="checkbox"/> G. STATE (Specify)				
<input type="checkbox"/> H. LOCAL (Specify)				
<input type="checkbox"/> I. OTHER (Specify)				
<input type="checkbox"/> J. NONE				

III. SITE DESCRIPTION

01 STORAGE/DISPOSAL (Check all that apply)	02 AMOUNT	03 UNIT OF MEASURE	04 TREATMENT (Check all that apply)	05 OTHER
<input checked="" type="checkbox"/> A. SURFACE IMPOUNDMENT	Unknown		<input type="checkbox"/> A. INCINERATION	<input type="checkbox"/> A. BUILDINGS ON SITE Mfg. plant
<input type="checkbox"/> B. PILES			<input type="checkbox"/> B. UNDERGROUND INJECTION	
<input type="checkbox"/> C. DRUMS, ABOVE GROUND			<input checked="" type="checkbox"/> C. CHEMICAL/PHYSICAL	
<input type="checkbox"/> D. TANK, ABOVE GROUND			<input checked="" type="checkbox"/> D. BIOLOGICAL	
<input type="checkbox"/> E. TANK, BELOW GROUND			<input type="checkbox"/> E. WASTE OIL PROCESSING	
<input type="checkbox"/> F. LANDFILL			<input type="checkbox"/> F. SOLVENT RECOVERY	
<input type="checkbox"/> G. LANDFARM			<input type="checkbox"/> G. OTHER RECYCLING/RECOVERY	
<input type="checkbox"/> H. OPEN DUMP	Unknown		<input type="checkbox"/> H. OTHER (Specify)	
<input type="checkbox"/> I. OTHER (Specify)				

07 COMMENTS

The facility is currently conducting a field study to ascertain the magnitude and extent of dioxin contamination within their chemical formulation plant. This effort is being conducted in accordance with an administrative order issued by the Kansas Department of Health and Environment (KDHE)

IV. CONTAINMENT

01 CONTAINMENT OF WASTES (Check one)
☐ A. ADEQUATE, SECURE ☐ B. MODERATE ☒ C. INADEQUATE, POOR ☐ D. INSECURE, UNSOUND, DANGEROUS

02 DESCRIPTION OF DRUMS, DIKING, LINERS, BARRIERS, ETC.

No drums observed on surface
3 positive areas detected by metal detectors (possibly buried drums)

V. ACCESSIBILITY

01 WASTE EASILY ACCESSIBLE: ☐ YES ☐ NO

02 COMMENTS

Dioxin detected in surface sweeping samples
No drums observed in offsite area of metal detector survey

VI. SOURCES OF INFORMATION (See specific references, e.g. state files, sample analysis, reports)

E&E files, EPA correspondence in EPA file



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

II. DRINKING WATER SUPPLY

01 TYPE OF DRINKING SUPPLY
(Check as applicable)

SURFACE WELL
COMMUNITY A. ☒ B. ☐
NON-COMMUNITY C. ☐ D. ☐

02 STATUS

ENDANGERED AFFECTED MONITORED
A. ☐ B. ☐ C. ☐
D. ☐ E. ☐ F. ☐

03 DISTANCE TO SITE

A. Unknown (mi)
B. _____ (mi)

III. GROUNDWATER

01 GROUNDWATER USE IN VICINITY (Check one)

☐ A. ONLY SOURCE FOR DRINKING ☐ B. DRINKING
(Other sources available)
COMMERCIAL, INDUSTRIAL IRRIGATION
(No other water sources available)
☒ C. COMMERCIAL, INDUSTRIAL, IRRIGATION
(Limited other sources available)
☐ D. NOT USED, UNUSEABLE

Plant has 2 supply wells onsite

02 POPULATION SERVED BY GROUND WATER None

03 DISTANCE TO NEAREST DRINKING WATER WELL Unknown (mi)

04 DEPTH TO GROUNDWATER

< 10 (ft)

05 DIRECTION OF GROUNDWATER FLOW

north

06 DEPTH TO AQUIFER
OF CONCERN

< 10 (ft)

07 POTENTIAL YIELD
OF AQUIFER

Unknown (gpd)

08 SOLE SOURCE AQUIFER

☐ YES ☐ NO

09 DESCRIPTION OF WELLS (including useage, depth, and location relative to population and buildings)

onsite supply wells
north of main warehouse
east of maintenance shop

10 RECHARGE AREA

☒ YES
☐ NO

COMMENTS

Flood plain

11 DISCHARGE AREA

☒ YES
☐ NO

COMMENTS

Flood plain

IV. SURFACE WATER

01 SURFACE WATER USE (Check one)

☒ A. RESERVOIR, RECREATION
DRINKING WATER SOURCE ☐ B. IRRIGATION, ECONOMICALLY
IMPORTANT RESOURCES ☐ C. COMMERCIAL, INDUSTRIAL ☐ D. NOT CURRENTLY USED

02 AFFECTED/POTENTIALLY AFFECTED BODIES OF WATER

NAME:

Kansas River

AFFECTED

DISTANCE TO SITE

< 1/4 (mi)

_____ (mi)

V. DEMOGRAPHIC AND PROPERTY INFORMATION

01 TOTAL POPULATION WITHIN

ONE (1) MILE OF SITE

A. 500
NO. OF PERSONS

TWO (2) MILES OF SITE

B. 2000 +
NO. OF PERSONS

THREE (3) MILES OF SITE

C. _____
NO. OF PERSONS

02 DISTANCE TO NEAREST POPULATION

> 1/2 (mi)

03 NUMBER OF BUILDINGS WITHIN TWO (2) MILES OF SITE

numprous -- urban area

04 DISTANCE TO NEAREST OFF-SITE BUILDING

< 200 ft.

05 POPULATION WITHIN VICINITY OF SITE (Provide narrative description of nature of population within vicinity of site, e.g., rural, village, densely populated urban area)

Site is within a commercial/industrial area in
bottomlands less than one fourth mile from the Kansas River.
Residential areas are located approximately 1/2 mile to northwest
and 1/2 mile (Turner, Kansas) to southwest.



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION
01 STATE 02 SITE NUMBER

VI. ENVIRONMENTAL INFORMATION

01 PERMEABILITY OF UNSATURATED ZONE (Check one)

☐ A. $10^{-6} - 10^{-8}$ cm/sec ☐ B. $10^{-4} - 10^{-6}$ cm/sec ☒ C. $10^{-4} - 10^{-3}$ cm/sec ☐ D. GREATER THAN 10^{-3} cm/sec (?)

02 PERMEABILITY OF BEDROCK (Check one)

☐ A. IMPERMEABLE (Less than 10^{-6} cm/sec) ☐ B. RELATIVELY IMPERMEABLE ($10^{-4} - 10^{-6}$ cm/sec) ☒ C. RELATIVELY PERMEABLE ($10^{-2} - 10^{-4}$ cm/sec) ☐ D. VERY PERMEABLE (Greater than 10^{-2} cm/sec) (?)

03 DEPTH TO BEDROCK

Unknown (ft)

04 DEPTH OF CONTAMINATED SOIL ZONE

Unknown (ft)

05 SOIL pH

unknown

06 NET PRECIPITATION

-7 (in)

07 ONE YEAR 24 HOUR RAINFALL

~3 (in)

08 SLOPE
SITE SLOPE

<1 %

DIRECTION OF SITE SLOPE

north?

TERRAIN AVERAGE SLOPE

1-2 %

09 FLOOD POTENTIAL

SITE IS IN _____ YEAR FLOODPLAIN

10

☐ SITE IS ON BARRIER ISLAND, COASTAL HIGH HAZARD AREA, RIVERINE FLOODWAY

11 DISTANCE TO WETLANDS (5 acre minimum)

ESTUARINE

A. _____ (mi)

OTHER

B. _____ (mi)

12 DISTANCE TO CRITICAL HABITAT (of endangered species)

_____ (mi)

ENDANGERED SPECIES: _____

13 LAND USE IN VICINITY

DISTANCE TO:

COMMERCIAL/INDUSTRIAL

A. _____ (mi)

RESIDENTIAL AREAS; NATIONAL/STATE PARKS,
FORESTS, OR WILDLIFE RESERVES

B. _____ (mi)

AGRICULTURAL LANDS
PRIME AG LAND AG LAND

C. _____ (mi) D. _____ (mi)

14 DESCRIPTION OF SITE IN RELATION TO SURROUNDING TOPOGRAPHY

Levee protects site from floods of unknown magnitude. Site is in floodplain of Kansas River, less than 1/4 mile from the river channel. The area of the metal detector survey is north of the site proper between the levee and the river channel. This area is on the inner side of a meander in the Kansas River.

VII. SOURCES OF INFORMATION (See specific references, e.g., state files, sample analysis, reports)

Topographic map; Shawnee, Kansas Quadrangle
SEE FILES



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 6 - SAMPLE AND FIELD INFORMATION

I. IDENTIFICATION
01 STATE 02 SITE NUMBER

II. SAMPLES TAKEN

SAMPLE TYPE	01 NUMBER OF SAMPLES TAKEN	02 SAMPLES SENT TO	03 ESTIMATED DATE RESULTS AVAILABLE
GROUNDWATER			
SURFACE WATER		None taken during this visit.	Results not yet all available
WASTE		Previously: soil, pond sediment and water,	
AIR		surface sweepings, and	
RUNOFF		groundwater samples collected	
SPILL			
SOIL			
VEGETATION			
OTHER			

III. FIELD MEASUREMENTS TAKEN

01 TYPE	02 COMMENTS
Metal Detection	area north of site between levee and Kansas River site of metal detector survey to locate possible buried drums. Three positive areas located.

IV. PHOTOGRAPHS AND MAPS

01 TYPE <input checked="" type="checkbox"/> GROUND <input checked="" type="checkbox"/> AERIAL	02 IN CUSTODY OF <u>E&E file, EP&R</u> <small>(Name of organization or individual)</small>
03 MAPS <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	04 LOCATION OF MAPS <u>E&E file, EP&R file</u>

V. OTHER FIELD DATA COLLECTED (Provide narrative description)

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

E&E files, EP&R file



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 7 - OWNER INFORMATION

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

II. CURRENT OWNER(S)

01 NAME Thompson-Hayward Chemical Co.			02 D+B NUMBER			08 NAME Harrison & Crasfield, Ltd.			09 D+B NUMBER								
03 STREET ADDRESS (P.O. Box, RFD #, etc.) P.O. Box 2700			04 SIC CODE			10 STREET ADDRESS (P.O. Box, RFD #, etc.)			11 SIC CODE								
05 CITY Kansas City			06 STATE KS			07 ZIP CODE 66110			12 CITY			13 STATE			14 ZIP CODE		
01 NAME T-H Agriculture & Nutrition, Inc.			02 D+B NUMBER			08 NAME			09 D+B NUMBER								
03 STREET ADDRESS (P.O. Box, RFD #, etc.) P.O. Box 2700			04 SIC CODE			10 STREET ADDRESS (P.O. Box, RFD #, etc.)			11 SIC CODE								
05 CITY Kansas City			06 STATE KS			07 ZIP CODE 66110			12 CITY			13 STATE			14 ZIP CODE		
01 NAME			02 D+B NUMBER			08 NAME			09 D+B NUMBER								
03 STREET ADDRESS (P.O. Box, RFD #, etc.)			04 SIC CODE			10 STREET ADDRESS (P.O. Box, RFD #, etc.)			11 SIC CODE								
05 CITY			06 STATE			07 ZIP CODE			12 CITY			13 STATE			14 ZIP CODE		
01 NAME			02 D+B NUMBER			08 NAME			09 D+B NUMBER								
03 STREET ADDRESS (P.O. Box, RFD #, etc.)			04 SIC CODE			10 STREET ADDRESS (P.O. Box, RFD #, etc.)			11 SIC CODE								
05 CITY			06 STATE			07 ZIP CODE			12 CITY			13 STATE			14 ZIP CODE		

III. PREVIOUS OWNER(S) (List most recent first)

01 NAME North American Phillips Co.			02 D+B NUMBER			01 NAME			02 D+B NUMBER								
03 STREET ADDRESS (P.O. Box, RFD #, etc.)			04 SIC CODE			03 STREET ADDRESS (P.O. Box, RFD #, etc.)			04 SIC CODE								
05 CITY			06 STATE			07 ZIP CODE			05 CITY			06 STATE			07 ZIP CODE		
01 NAME			02 D+B NUMBER			01 NAME			02 D+B NUMBER								
03 STREET ADDRESS (P.O. Box, RFD #, etc.)			04 SIC CODE			03 STREET ADDRESS (P.O. Box, RFD #, etc.)			04 SIC CODE								
05 CITY			06 STATE			07 ZIP CODE			05 CITY			06 STATE			07 ZIP CODE		
01 NAME			02 D+B NUMBER			01 NAME			02 D+B NUMBER								
03 STREET ADDRESS (P.O. Box, RFD #, etc.)			04 SIC CODE			03 STREET ADDRESS (P.O. Box, RFD #, etc.)			04 SIC CODE								
05 CITY			06 STATE			07 ZIP CODE			05 CITY			06 STATE			07 ZIP CODE		

V. SOURCES OF INFORMATION (Cite specific references e.g., state files, sample analysis, reports)

E & E files



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 8 - OPERATOR INFORMATION

I. IDENTIFICATION
01 STATE 02 SITE NUMBER

II. CURRENT OPERATOR (Provide if different from owner)				OPERATOR'S PARENT COMPANY (If applicable)			
01 NAME <i>Thompson Hayward Chemical Co.</i>		02 D+B NUMBER		10 NAME <i>Harrison & Crossfield, Ltd.</i>		11 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.) <i>P.O. Box 2700</i>		04 SIC CODE		12 STREET ADDRESS (P.O. Box, RFD #, etc.)		13 SIC CODE	
05 CITY <i>Kansas City</i>		06 STATE <i>KS</i>	07 ZIP CODE <i>66110</i>	14 CITY		15 STATE	16 ZIP CODE
08 YEARS OF OPERATION <i>~21</i>		09 NAME OF OWNER <i>Harrison & Crossfield, Ltd.</i>					
III. PREVIOUS OPERATOR(S) (List most recent first, provide only if different from owner)				PREVIOUS OPERATORS' PARENT COMPANIES (If applicable)			
01 NAME		02 D+B NUMBER		10 NAME		11 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		12 STREET ADDRESS (P.O. Box, RFD #, etc.)		13 SIC CODE	
05 CITY		06 STATE	07 ZIP CODE	14 CITY		15 STATE	16 ZIP CODE
08 YEARS OF OPERATION		09 NAME OF OWNER DURING THIS PERIOD <i>North American Phillips Co.</i>					
01 NAME		02 D+B NUMBER		10 NAME		11 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		12 STREET ADDRESS (P.O. Box, RFD #, etc.)		13 SIC CODE	
05 CITY		06 STATE	07 ZIP CODE	14 CITY		15 STATE	16 ZIP CODE
08 YEARS OF OPERATION		09 NAME OF OWNER DURING THIS PERIOD					
01 NAME		02 D+B NUMBER		10 NAME		11 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		12 STREET ADDRESS (P.O. Box, RFD #, etc.)		13 SIC CODE	
05 CITY		06 STATE	07 ZIP CODE	14 CITY		15 STATE	16 ZIP CODE
08 YEARS OF OPERATION		09 NAME OF OWNER DURING THIS PERIOD					
IV. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)							
<i>E&E files</i>							



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 9 - GENERATOR/TRANSPORTER INFORMATION

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

II. ON-SITE GENERATOR

01 NAME	02 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	
05 CITY	06 STATE 07 ZIP CODE	

III. OFF-SITE GENERATOR(S)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE 07 ZIP CODE	05 CITY	06 STATE 07 ZIP CODE
01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE 07 ZIP CODE	05 CITY	06 STATE 07 ZIP CODE

IV. TRANSPORTER(S)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE 07 ZIP CODE	05 CITY	06 STATE 07 ZIP CODE
01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE 07 ZIP CODE	05 CITY	06 STATE 07 ZIP CODE

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

E & E files



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

L IDENTIFICATION

01 STATE 02 SITE NUMBER

II. PAST RESPONSE ACTIVITIES

01 <input type="checkbox"/> A. WATER SUPPLY CLOSED 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> B. TEMPORARY WATER SUPPLY PROVIDED 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> C. PERMANENT WATER SUPPLY PROVIDED 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> D. SPILLED MATERIAL REMOVED 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> E. CONTAMINATED SOIL REMOVED 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> F. WASTE REPACKAGED 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> G. WASTE DISPOSED ELSEWHERE 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> H. ON SITE BURIAL 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> I. IN SITU CHEMICAL TREATMENT 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> J. IN SITU BIOLOGICAL TREATMENT 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> K. IN SITU PHYSICAL TREATMENT 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> L. ENCAPSULATION 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> M. EMERGENCY WASTE TREATMENT 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> N. CUTOFF WALLS 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> O. EMERGENCY DIKING/SURFACE WATER DIVERSION 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> P. CUTOFF TRENCHES/SUMP 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> Q. SUBSURFACE CUTOFF WALL 04 DESCRIPTION	02 DATE _____	03 AGENCY _____



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

II PAST RESPONSE ACTIVITIES (Continued)

01 ☐ R. BARRIER WALLS CONSTRUCTED
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ S. CAPPING/COVERING
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ T. BULK TANKAGE REPAIRED
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ U. GROUT CURTAIN CONSTRUCTED
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ V. BOTTOM SEALED
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ W. GAS CONTROL
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ X. FIRE CONTROL
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ Y. LEACHATE TREATMENT
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ Z. AREA EVACUATED
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ 1. ACCESS TO SITE RESTRICTED
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ 2. POPULATION RELOCATED
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ 3. OTHER REMEDIAL ACTIVITIES
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

Kansas Department of Health and Environment has ordered the Thompson - Hayward Chemical Co. and/or the TH Agriculture and Nutrition Co., Inc. to prepare a study of the dioxin problem onsite.

III. SOURCES OF INFORMATION (Cite specific references, e.g., State files, sample analysis, reports)

E & E files; EPA R file



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 11 - ENFORCEMENT INFORMATION

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

II. ENFORCEMENT INFORMATION

01 PAST REGULATORY/ENFORCEMENT ACTION ☒ YES ☐ NO

02 DESCRIPTION OF FEDERAL, STATE, LOCAL REGULATORY/ENFORCEMENT ACTION

KDHE issued administrative order ^{July 13, 1983} for owners to provide a study of the dioxin contamination on site. EPA contractor (Ecology and Environment, Inc.) have previously conducted sampling investigations on site (soil, surface sweepings, pond sediment and water, and groundwater samples).

III. SOURCES OF INFORMATION (Case specific references, e.g., state files, sample analysis, reports)

Appendix C

Potential Hazardous Waste Site Tentative Disposition (EPA Form T2070-4)

EPA		POTENTIAL HAZARDOUS WASTE SITE TENTATIVE DISPOSITION		REGION VII	SITE NUMBER KST 210010062		
File this form in the regional Hazardous Waste Log File and submit a copy to: U.S. Environmental Protection Agency; Site Tracking System; Hazardous Waste Enforcement Task Force (EN-335); 401 M St., SW; Washington, DC 20460.							
I. SITE IDENTIFICATION							
A. SITE NAME THOMPSON-HAYWARD CHEMICAL CO.			B. STREET 5200 SPEAKER RD.				
C. CITY KANSAS CITY			D. STATE KS.	E. ZIP CODE 66106			
II. TENTATIVE DISPOSITION							
Indicate the recommended action(s) and agency(ies) that should be involved by marking 'X' in the appropriate boxes.							
RECOMMENDATION			ACTION AGENCY				
			MARK 'X'	EPA	STATE	LOCAL	PRIVATE
A. NO ACTION NEEDED - NO HAZARD							
B. INVESTIGATIVE ACTION(S) NEEDED (If yes, complete Section III.)							
C. REMEDIAL ACTION NEEDED (If yes, complete Section IV.)							
D. ENFORCEMENT ACTION NEEDED (If yes, specify in Part E whether the case will be primarily managed by the EPA or the State and what type of enforcement action is anticipated.)					X		
E. RATIONALE FOR DISPOSITION THE STATE HAS TAKEN THE LEAD IN REVIEWING AND OVERSEEING THE DIOXIN CLEANUP ACTION.							
F. INDICATE THE ESTIMATED DATE OF FINAL DISPOSITION (mo., day, & yr.) 9/25/89				G. IF A CASE DEVELOPMENT PLAN IS NECESSARY, INDICATE THE ESTIMATED DATE ON WHICH THE PLAN WILL BE DEVELOPED (mo., day, & yr.)			
H. PREPARER INFORMATION				2. TELEPHONE NUMBER		3. DATE (mo., day, & yr.)	
1. NAME KEN RAPPLMAN				913-236-2856		09/04/89	
III. INVESTIGATIVE ACTIVITY NEEDED							
A. IDENTIFY ADDITIONAL INFORMATION NEEDED TO ACHIEVE A FINAL DISPOSITION.							
B. PROPOSED INVESTIGATIVE ACTIVITY (Detailed Information)							
1. METHOD FOR OBTAINING NEEDED ADDITIONAL INFO.		2. SCHEDULED DATE OF ACTION (mo, day, & yr)	3. TO BE PERFORMED BY (EPA, Contractor, State, etc.)	4. ESTIMATED MANHOURS	5. REMARKS		
a. TYPE OF SITE INSPECTION							
(1)							
(2)							
(3)							
b. TYPE OF MONITORING							
(1)							
(2)							
c. TYPE OF SAMPLING							
(1)							
(2)					Thompson-Hayward KST210010062		

REMEDIAL SITE ASSESSMENT DECISION - EPA REGION 7

SITE NAME: Thompson-Hayword Chemical - Kansas City

EPA ID#: KST210010062

Alias Site Names: Harcross Chemical

City: Kansas City

County or Parish: Wyandotte

State: KS

Refer to Report Dated: February, 2001

Report type: Abbreviated Preliminary Assessment

Report developed by: Kansas Department of Health & Environment

DECISION:

☒ **1. Further remedial site assessment under CERCLA (Superfund) is not required because:**

☒ 1a. Site does not qualify for further remedial site assessment under CERCLA
☐ 1b. Site may qualify for further action, but is deferred to:
 No Further Remedial Action Planned (NFRAP)

☐ **2. Further Assessment Needed Under CERCLA:** 2a. Qualifier: ☐ Higher ☐ Lower ☐ Part of NPL Site
☐ Referred to Removal, Needs More Remedial ☐ Referred to Removal, No Further Remedial
 2b. Activity Type: ☐ PA ☐ SI ☐ ESI ☐ HRS evaluation
☐ Other: _____

DISCUSSION/RATIONALE:

The file review indicates that response actions addressing releases of hazardous substances, pollutants, or contaminants at the site is being conducted by Harcross Chemicals under an EPA 3008(h) Administrative Order on Consent (Docket No. VII-90-H-0028). The RCRA Corrective Action Officer is Pat Murrow, #913-551-7627. KDHE's Bureau of Waste Management also has oversight authority over the regulated unit (surface impoundment) at the site. The Abbreviated PA was completed in response to the IG audit of sites deferred to RCRA. Based upon the above, No further remedial action is necessary.

Report Reviewed and Approved by: D Lininger Signature:  Date: 5/22/01

Site Decision Made by: D Lininger Signature:  Date: 5/22/01

ABBREVIATED PRELIMINARY ASSESSMENT CHECKLIST

This checklist can be used to help the site investigator determine if additional response beyond the Abbreviated Preliminary Assessment (APA) is warranted. This checklist should document the rationale for the decision on whether further steps in the site investigation process are required under CERCLA. Use additional sheets, if necessary.

Checklist Preparer: Travis Kogl/ Environmental Geologist February 14, 1999
Name/Title Date
Building 740 Forbes Field (785) 296-8064
Address Phone
tkogl@kdhe.state.ks.us
E-Mail Address

Site Name: Thompson Hayward Chemical Company
Previous Names (if any): _____
Site Location: 5200 Speaker Road
Kansas City, Wyandotte County, Kansas

Latitude: 39.09495° **Longitude:** 94.69563°

Describe the release (or potential release) and its probable nature: Chlorinated solvents, pesticides, and dioxins have been detected in soil and ground water samples from the site.

Part 1 - Superfund Eligibility Evaluation

If all answers are "no" go on to Part 2, otherwise proceed to Part 3.

	YES	NO
1. Is the site currently in CERCLIS or an "alias" of another site?	X	
2. Is the site being addressed by some other remedial program (Federal, State, or Tribal)?	X	
3. Are the hazardous substances potentially released at the site regulated under a statutory exclusion (e.g., petroleum, natural gas, natural gas liquids, synthetic gas usable for fuel, normal application of fertilizer, release located in a workplace, naturally occurring, or regulated by the NRC, UMTRCA, or OSHA)?		X
4. Are the hazardous substances potentially released at the site excluded by policy considerations (i.e., deferred to RCRA corrective action)?		X
5. Is there sufficient documentation to demonstrate that no potential for a release that could cause adverse environmental or human health impacts exists (e.g., comprehensive remedial investigation equivalent data showing no release above ARARs, completed removal action, previous HRS score determined, or an EPA approved risk assessment completed)?		X

Please explain all "yes" answer(s). The THCC site has CERCLIS Number KST210010062. A file review indicates that response actions addressing releases of hazardous substances, pollutants or contaminants at the THCC site are being conducted by Harcros Chemicals, Inc. under an EPA Administrative Order of Consent (Docket No. VII-90-H-0028).

Part 2 - Initial Site Evaluation

Use Exhibit 1 of this fact sheet to make site assessment decisions based on the answers below:

	YES	NO
Does documentation indicate that a target (e.g. drinking water wells, drinking surface water intakes, etc.) has been exposed to a hazardous substance released from the site?		X
Is there an apparent release at the site with no documentation of exposed targets, but there are targets on site or immediately adjacent to the site?		X
Is there an apparent release and no documented on-site targets or targets immediately adjacent to the site, but there are nearby targets (e.g., targets within 1 mile)?		X
Is there no indication of a hazardous substance release, and there are uncontained sources containing CERCLA hazardous substances, but there is a potential to release with targets present on site or in proximity to the site?		X
Does the site lack documented on-site, adjacent, or nearby targets?		X
Does the site lack releases or potential to release?		X
Does the site lack uncontained sources containing CERCLA eligible substances are present on site?		X

Please explain all "yes" answer(s).

Part 3 - EPA Site Assessment Decision

Check the box that applies based on the conclusions of the APA:

- ☒ NFRAP
- ☐ Higher Priority SI
- ☐ Lower Priority SI
- ☐ Refer to RCRA Subtitle C
- ☐ Refer to NRC
- ☐ Refer to Removal Program - further site assessment needed
- ☐ Refer to Removal Program - NFRAP
- ☐ Site is being addressed as part of another CERCLIS site
- ☐ Other: _____

KDHE Reviewer: Randy Brown
Name/Signature

Date

02/27/07

Regional EPA Reviewer: Don Livingston
Print Name/Signature

Date

5/22/01



March 12, 2001

KANSAS
DEPARTMENT OF HEALTH & ENVIRONMENT
BILL GRAVES, GOVERNOR
Clyde D. Graeber, Secretary

Mr. Don Lininger
U.S. EPA Region VII, Superfund Division
901 North 5th Street
Kansas City, Kansas 66101

RE: **Abbreviated Preliminary Assessment (APA) for the Thompson-Hayward Chemical Site, Kansas City, Wyandotte County, Kansas**
EPA I.D. # KSD007233596

Dear Mr. Lininger:

The Kansas Department of Health and Environment (KDHE) has completed the abbreviated Preliminary Assessment for the Thompson-Hayward Chemical site in Kansas City, Wyandotte County, Kansas. This APA is submitted for KDHE's fiscal year (FY) 2000. The APA was conducted in response to the work share agreement between EPA and KDHE to reassess sites in response to the Office of the Inspector General (IG) audits of sites deferred from to Resource Conservation and Recovery Act (RCRA) requiring follow-up. The Thompson-Hayward facility is currently being addressed by KDHE's Bureau of Waste Management through regulated unit RCRA actions. This site also has an EPA-lead § 3008(h) RCRA Administrative Order on Consent with Harcros Chemicals in force and active at the site. The site appears to qualify for no further remedial action planned (NFRAP) status and archival. Since this site is primarily being addressed under an EPA-lead AOC, EPA should prepare the amended site disposition form. If you have any questions relative to this site, please feel free to contact me at (785) 296-8065.

Sincerely,

Randolph L. Brown
Unit Chief, Site Assessment Unit
Remedial Section
Bureau of Environmental Remediation

rlb/attachments

c: Randy Brown -> Travis Kogl -> Site file